AMENDMENTS TO THE CLAIMS

Please amend the claims to read as follows:

1. (Currently Amended) A method for photochemical treatment ~~of a target site,~~ the method comprising:

~~(a)~~ providing a stream of liquid having a predetermined flow rate ~~and is free-space flowing along at least one portion of its trajectory towards a contact with the target site~~;

~~(b) providing UV-radiation having predetermined parameters in terms of power, wavelength, duty cycle and repetition rate~~;

~~(c)~~ directing ~~said~~ UV-radiation within said stream of liquid to disinfect the liquid ~~along a trajectory of said stream~~ such that the liquid serves as a flowing liquid wave guide carrying the UV-radiation ~~through the free-space flowing portion of the liquid trajectory~~ making use of total internal refection of the UV radiation ~~along said portion~~;

~~(d) maintaining at least one free-space flowing portion of the stream, with the UV-radiation locked within in total internal reflection, in contact with said target site for a time period and under conditions sufficient for affecting photochemical disinfection sterilization decontamination or detoxification treatment of the target site.~~

2. – 3. (Cancelled)

4. (Original) The method of Claim 1, wherein said UV-radiation is generated by a laser source.

5. – 15. (Cancelled)

16. (New) The method of Claim 1, wherein said liquid having a refractive index greater than a refractive index of the surrounding.

17. (New) The method of Claim 1, wherein the UV-radiation being UVA-radiation, UVB-radiation or UVC-radiation.

18. (New) The method of claim 1, wherein the liquid being water or wastewater.